TROPICAL DISEASES BULLETIN

ISSUED UNDER THE DIRECTION OF THE HONORARY MANAGING COMMITTEE

VOL. 48 (Nos. 1–12)
JANUARY—DECEMBER, 1951

London :
BUREAU OF HYGIENE AND TROPICAL DISEASES,
Keppel Street, W.C.1.

1951

HONORARY MANAGING COMMITTEE

APPOINTED BY THE SECRETARY OF STATE FOR THE COLONIES

Chairman: E. D. Pridie, *C.M.G.*, *D.S.O.*, *O.B.E.*, M.B., B.S.
(*Chief Medical Officer, Colonial Office*)

Professor Patrick A. Buxton, *C.M.G.*, M.A., M.R.C.S., L.R.C.P., D.T.M. & H., F.R.S.
(*representing the Royal Society*)

Sir John Charles, M.D., F.R.C.P., D.P.H.
(*representing the Ministry of Health*)

Lieut.-General Sir James Bennett Hance, *K.C.I.E.*, *O.B.E.*, M.D., F.R.C.S.Ed., I.M.S. (retd.)

H. P. Himsworth, M.D., F.R.C.P.
(*representing the Medical Research Council*)

Sir Wilson Jameson, *G.B.E.*, *K.C.B.*, M.D., F.R.C.P.

Professor G. Macdonald, M.D., M.R.C.P., D.P.H., D.T.M.

Sir Philip Manson-Bahr, *C.M.G.*, *D.S.O.*, M.D., F.R.C.P., D.T.M. & H.

E. R. A. Merewether, *C.B.E.*, M.D., F.R.C.P., F.R.S.Ed.

Brigadier G. S. Parkinson, *C.B.E.*, *D.S.O.*, M.R.C.S., L.R.C.P., D.P.H., Late R.A.M.C.

J. B. Sidebotham, *C.M.G.*, M.A.
(*of the Colonial Office*)

Andrew Topping, M.A., M.D., F.R.C.P., D.P.H.

Secretary: J. C. Betton (*of the Colonial Office*)

STAFF OF THE BUREAU

Director: Charles Wilcocks, M.D., F.R.C.P., D.T.M. & H.

Assistant Director: H. J. O'D. Burke-Gaffney, *O.B.E.*, M.D.

Secretary: R. L. Sheppard, *O.B.E.*

Alice D. Crump
Jean A. Goodchild
Joan E. D'Arcy Hart
P. K. King
J. W. Priestly
Delphine A. Sowman
Doris H. C. Taylor
Sheila D. Widra

LIST OF ABSTRACTERS

A. R. D. Adams, M.D., F.R.C.P., D.T.M.

P. Armitage, B.A.

D. J. Bauer, M.B., B.Chir., Ph.D.

Thomas Bedford, D.Sc., Ph.D.

D. S. Bertram, B.Sc., Ph.D.

J. C. Broom, *O.B.E.*, M.D.

Professor J. J. C. Buckley, D.Sc.

H. J. O'D. Burke-Gaffney, *O.B.E.*, M.D.

H. Burrows, *C.B.E.*, F.R.C.S.

J. R. Busvine, Ph.D., D.Sc.

Professor P. A. Buxton, *C.M.G.*, M.A., M.R.C.S., L.R.C.P., D.T.M. & H., F.R.S.

H. G. Calwell, M.D., B.A.O., D.T.M. & H.

J. Cauchi, M.D., D.P.H.

C. C. Chesterman, *O.B.E.*, M.D., M.R.C.P., D.T.M. & H.

P. A. Clearkin, *O.B.E.*, M.D.

J. F. Corson, *O.B.E.*, M.D., D.P.H., D.T.M. & H.

Maj.-Gen. Sir Gordon Covell, *C.I.E.*, M.D., D.P.H., D.T.M. & H., I.M.S. (retd.)

Professor J. C. Cruickshank, M.B., Ch.B. D.T.M., Dip. Bact.

J. N. P. Davies, M.D., M.R.C.S., L.R.C.P.

Professor M. E. Delafield, *M.C.*, M.B., B.Ch., D.P.H.

J. T. Duncan, F.R.C.S., L.R.C.P. (Ire.), D.T.M. & H.

Thomas E. Fletcher, B.Sc.

Forrest Fulton, D.M.

J. D. Fulton, M.A., B.Sc., Ph.D., M.B., Ch.B., D.T.M.

P. C. C. Garnham, M.D., M.R.C.S., L.R.C.P., D.P.H.

Professor L. P. Garrod, M.D., F.R.C.P.

M. Gelfand, M.D., M.R.C.P.

M. T. Gillies, M.B., B.Ch., D.T.M. & H.

A. J. P. Goodchild, B.Sc.

Professor R. M. Gordon, *O.B.E.*, M.D., Sc.D., F.R.C.P., D.P.H.

C. J. Hackett, M.D., Ph.D., F.R.C.P., D.T.M. & H.

Lieut.-Col. W. L. Harnett, *C.I.E.*, M.A., M.D., F.R.C.S., I.M.S. (retd.).

Miss C. M. Harrison, B.Sc., Ph.D.

F. Hawking, D.M., D.T.M.

Edward Hindle, M.A., Sc.D., Ph.D., F.R.S.

C. A. Hoare, D.Sc., F.R.S.

J. O. Irwin, M.A., D.Sc., Sc.D.

Miss N. H. Johnson, B.Sc.

Lieut.-Col. E. O'G. Kirwan, *C.I.E.*, M.Sc., M.D., F.R.C.S.I., I.M.S. (retd.).

C. R. Klimt, M.D.

G. Lapage, M.D., M.Sc.

H. S. Leeson, F.R.E.S.

Professor R. T. Leiper, *C.M.G.*, M.D., D.Sc., F.R.C.P., F.R.S.

E. M. Lourie, M.B., M.R.C.P., D.P.H., D.T.M. & H.

Colonel Sir George G. McRobert, *C.I.E.*, M.D., F.R.C.P., D.T.M. & H., I.M.S. (retd.)

Professor G. Macdonald, M.D., M.R.C.P., D.P.H., D.T.M.

Professor B. G. Maegraith, M.A., M.B., B.S., B.Sc., D.Phil., M.R.C.P.

Sir Philip Manson-Bahr, *C.M.G.*, *D.S.O.*, M.D., F.R.C.P., D.T.M. & H.

Maj.-Gen. Sir John W. D. Megaw, *K.C.I.E.*, D.Sc., M.B., B.Ch., I.M.S. (retd.)

B. Moore, B.Sc., M.B., B.Ch., B.A.O.

Air Vice-Marshal T. C. St. C. Morton, *C.B.*, *O.B.E.*, M.D., F.R.C.P., D.T.M. & H., K.H.P.

Ernest Muir, *C.M.G.*, *C.I.E.*, M.D., F.R.C.S.Ed.

L. E. Napier, *C.I.E.*, F.R.C.P.

Miss R. Nash, B.Sc.

T. E. Osmond, B.A., M.B.

Lieut.-Col. R. Passmore, M.A., D.M., I.M.S. (retd.).

J. A. Fraser Roberts, M.A., D.Sc., M.D., F.R.C.P., F.R.S.E.

Maj.-Gen. Sir Leonard Rogers, *K.C.S.I.*, *C.I.E.*, M.D., F.R.C.P., F.R.C.S., F.R.S., I.M.S. (retd.).

Sir H. Harold Scott, *K.C.M.G.*, M.D., F.R.C.P., D.P.H., D.T.M. & H.

C. F. Shelton, M.D., M.R.C.P., D.T.M. & H.

Professor H. E. Shortt, *C.I.E.*, M.D., D.Sc., D.T.M. & H. F.R.S. I.M.S. (retd.)

Dean A. Smith, *O.B.E.*, M.D., D.T.M. & H.

J. H. Sudd, B.A.

Professor N. H. Swellengrebel, Ph.D.

Miss G. W. A. Talbot, B.Sc.

Maj.-Gen. Sir John Taylor *C.I.E.*, *D.S.O.*, M.D., D.P.H., I.M.S. (retd.)

R. Ford Tredre, M.D., D.P.H., D.T.M. & H.

F. Norman White, *C.I.E.*, M.D., D.P.H., I.M.S. (retd.)

Charles Wilcocks, M.D., F.R.C.P., D.T.M. & H.

H. T. H. Wilson, M.B., M.R.C.S., M.R.C.P., D.T.M.

CONTENTS

SUMMARIES OF RECENT ABSTRACTS (1950)

Cholera 1–2
Helminthiasis 689–697, 769–778
Leishmaniasis ... 507–510
Leprosy 941–948
Malaria 219–228, 307–317
Plague 603–606
Trypanosomiasis ... 423–430
Typhus Group of Fevers 847–854
Yellow Fever 105–106

SECTIONS

Amoebiasis and Intestinal Protozoal Infections ... 37–42, 147–156, 259–265, 361–366, 461–471, 552–556, 630-641, 733–738, 806–810, 891–895, 988–993, 1107–1114

Bartonellosis 141–143, 730

Blackwater Fever 132–133, 527–529, 620-621, 875–877

Book Reviews ... 100-104, 217–218, 302–306, 420–422, 505–506, 601–602, 688, 766–768, 840-846, 937–940, 1054–1058, 1159–1162

Cholera ... 146-147, 254–259, 358–361, 549–551, 732, 888–890, 987–988, 1106-1107

Deficiency Diseases ... 62-65, 189, 389–396, 493–494, 578–579, 668–669, 750-751, 827–830, 915, 1035–1037, 1138–1142

Dengue and Allied Fevers 357–358, 731, 886–887

Dermatology and Fungus Diseases ... 71–75, 194–195, 282–286, 401–403, 496–497, 581–583, 670-672, 753–756, 835–836, 1039–1040, 1144–1145

Dropsy, Epidemic 68, 833

Entomology and Insecticides: General 88–93, 203–212, 292–298, 409–417, 500-503, 588–594, 676–684, 759–763, 838–840, 928–933, 1048–1054, 1151–1159

Haematology 66–67, 190-193, 280-281, 397–400, 579–580, 751–753, 830-832, 917–919, 1037–1038, 1142–1143

Heat Stroke and Allied Conditions 76–81, 196, 287–288, 403–404, 836–837, 923–926

Helminthiasis 48–62, 167–189, 271–280, 376–389, 475–493, 567–578, 652–668, 743–749, 817–827, 899–915, 1002–1035, 1130-1138

Laboratory Procedures 94–95, 417, 594

Leishmaniasis 25–26, 136–138, 241–243, 349–351, 452–455, 533–535, 623, 721–723, 794–795, 969–973, 1096–1097

Leprosy 43–48, 160-167, 266–271, 369–376, 473–475, 563–566, 642–652, 740-743, 813–817, 898–899, 995–1002, 1118–1130

Malaria 2–24, 106–132, 229–238, 317–337, 430-448, 510-527, 606–620, 697–716, 778–791, 854–875, 948–950, 1059–1087

Miscellaneous Diseases ... 81–87, 196–200, 404–406, 583–586, 673–674, 759, 926–928, 1045–1047, 1145

CONTENTS—*cont.*

SECTIONS—*cont.*

Ophthalmology, Tropical ... 75–76, 195–196, 286–287, 497–499, 672, 756–759, 922–923, 1040–1044

Plague 36–37, 145–146, 251–254, 460–461, 548–549, 629–630, 731–732, 805–806, 983–986, 1105–1106

Protozoology: General 87–88, 200–203, 288–292, 407–408, 499–500, 586–587, 674–676, 837–838, 928, 1047–1048, 1145–1151

Rabies 32–35, 145, 457–460, 628–629, 803–805, 887–888, 982–983, 1104–1105

Relapsing Fever and other Spirochaetoses ... 42–43, 156–158, 367, 471–472, 556–559, 641–642, 739, 810–812, 895–896, 993–995, 1114–1116

Reports, Surveys and Miscellaneous Papers 95–99, 212–217, 298–301, 417–420, 503–505, 594–601, 684–688, 763–765, 933–936

Sprue 65–66, 396–397, 916–917

Trypanosomiasis ... 24–25, 133–136, 238–241, 338–349, 448–451, 529–533, 621–623, 717–720, 791–794, 877–878, 951–968, 1087–1096

Typhus Group of Fevers ... 26–30, 138–141, 244–251, 351–356, 535–547, 624–627, 723–729, 795–801, 879–886, 973–981, 1098–1102

Ulcer, Tropical 583, 673, 926, 1044

Venoms and Antivenenes 68–71, 193–194, 281–282, 401, 494–496, 580, 669–670, 833–835, 919–922, 1038–1039, 1143–1144

Yaws ... 158–160, 367–369, 472–473, 559–562, 739–740, 896–898, 1117–1118

Yellow Fever 30–32, 143–144, 455–457, 547–548, 627–628, 730–731, 801–803, 981–982, 1102–1103

Index of Authors or Sources 1163

Index of Subjects 1199

Index of Countries 1254

ILLUSTRATION

48-hr. Mortality of *A. maculatus* entering treated and untreated experimental huts. DDT, 200 mgm./sq. ft.; BHC, 40 mgm. gamma isomer/sq. ft. 1077

ERRATA

In the abstract of a letter by LOWE in this *Bulletin*, 1950, v. 47, 1001, line 8, the word "tuberculosis" has been printed in error for "tuberculoid".

In summary of CORKILL's paper, this *Bulletin*, 1951, v. 48, 68, line 14, for *Causas* read *Causus*.

In summary of Rockefeller Foundation report, this *Bulletin*, 1951, v. 48, on p. 97, para. 2, line 4, for *Otoibus* read *Otobius*.

ERRATA—*cont.*

In the abstract relating to the Report of the Malaria Conference in Equatorial Africa published in this *Bulletin*, 1951, v. 48, 697–699, the word "permanent" on the third line of paragraph 4, p. 699, should read "prominent".

In the abstract of a paper relating to the epidemiology of relapsing fever in Somaliland, published in this *Bulletin*, 1951, v. 48, 810, and stated to be by EGIDIO, L., the author's name should read LIPPARONI, E.

In the same abstract the words in the first and second lines of the second paragraph "40 cases of schistosomiasis of the bladder have been demonstrated in two years" should read "a monthly average of 40 cases of schistosomiasis of the bladder has been demonstrated in the last two and a half years".

In the abstract of the paper by ZUMPT & GRAF in this *Bulletin*, 1951, v. 48, 295, the abstracter suggested that the mite *Pneumonyssus* occasionally causes pulmonary infections in man. He now writes that this suggestion is mistaken. It is, of course, well known that it infests the respiratory passages of monkeys.

In the abstract of the paper by BACKHOUSE & HEYDON, 1951, v. 48, 386, the words "*Aēdes pseudoscutellaris*" in the second line of p. 387 should read "*Aēdes scutellaris*".